

Attorney Docket No. 0756-2294

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Shunpei YAMAZAKI et al.

Serial No. 09/832,867

Filed: April 12, 2001

For: LIGHT EMITTING DEVICE

COMPRISING THIN FILM

TRANSISTOR WITH DISTINCT

POSITION OF GATE ELECTRODE

AND IMPURITY REGIONS

) Group Art Unit: 2822

) Examiner: M. Lewis

) CERTIFICATE OF MAILING

) I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

) _____

) _____

) _____

) _____

RECEIVED
CENTRAL FAX CENTER

AUG 16 2004

OFFICIAL

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing references known to Applicant and requests that these references be made of record in the above identified application. Copies of the references listed are submitted herewith in accordance with 37 C.F.R. 1.98(a).

The Examiner's attention is directed to U.S. Patent Application Nos. 09/454,146 and 10/386,257 which are related to the present patent application.

A check in the amount of \$180 is being submitted to comply with the provisions of 37 C.F.R. § 1.97(c).

The Commissioner is hereby authorized to charge fees under 37 C.F.R. §§1.16, 1.17, 1.20(a), 1.20(b), 1.20(c), and 1.20(d) (except the Issue Fee) which may be required now or hereafter, or credit any overpayment to Deposit Account No. 50-2280.

AUG. 16. 2004 1:47PM

RIPLO 571-434-9499

NO. 3672

RECEIVED
CENTRAL FAX CENTER
AUG 16 2004
OFFICIAL



ROBINSON INTELLECTUAL PROPERTY LAW OFFICE

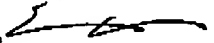
PATENTS · TRADEMARKS · COPYRIGHTS

PMB 955
21010 Southbank Street
Potomac Falls, Virginia 20165

August 16, 2004

571-434-6789 (Voice)
571-434-9499 (G3 Facsimile)
erobinson@riplo.com
www.riplo.com

FACSIMILE COVER SHEET

To:	Examiner Lewis	From:	Eric J. Robinson
Facsimile Number:	571-273-1838 703-872-9306	Telephone No.	571-272-1838
Number of Pages (including cover sheet):			
<p>RE: Serial No. 09/832,867 Our Reference: 0756-2294</p> <p>Examiner Lewis:</p> <p>As you requested, attached please find a copy of the IDS and Form PTO-1449 filed on December 8, 2003, along with the stamped receipt card evidencing receipt from the Patent Office.</p> <p>Eric Robinson  Reg. No. 38,285</p>			

AUG. 16. 2004 1:48PM

RIPLO 571-434-9499

NO. 3672 P. 2/7

This will acknowledge receipt of the following:

1. Information Disclosure Statement
2. PTO Form-1449 with copies of references listed thereon
3. Check No. 2640 in the amount of \$180.00 (ids)
4. Certificates of Mailing for each of the above

In re PATENT application of:

SHUNPEI YAMAZAKI et al

Serial No. 09/832,867

Filed: 04/12/2001

Due Date: 12/01/2003

For: LIGHT EMITTING DEVICE COMPRISING THIN FILM TRANSISTOR WITH DISTINCT POSITION OF GATE ELECTRODE AND IMPURITY REGIONS

Docket: 0756-2294

12. 8. 03
EJR/EJR/ams



DEC 16 2003

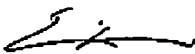
12/23/03

- 2 -

Application Serial No. 09/832,867
Attorney Docket No. 0756-2294

A duplicate copy of this sheet is attached.

Respectfully submitted,



Eric J. Robinson
Reg. No. 38,285

Robinson Intellectual Property Law Office, P.C.
PMB 955
21010 Southbank Street
Potomac Falls, Virginia 20165
(571) 434-6789

Please type a plus sign (+) inside this box —

PTO/SB/08A (08-00)
 Approved for us, Jugh 10/31/2002. OMB 0651-0031
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitutes for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/832,867
		Filing Date	April 12, 2001
		First Named Inventor	Shunpei YAMAZAKI, et al.
		Group Art Unit	2822
		Examiner Name	Monica Lewis
Sheet 1 of 3	Attorney Docket Number	0756-2294	

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patente or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,963,504		Huang	10/16/90	
		5,323,042		Matsumoto	06/21/94	
		5,399,502		Friend et al.	03/21/95	
		5,412,240		Inoue et al.	05/02/95	
		5,532,175		Racanelli et al.	07/02/96	
		5,543,340		Lee	08/06/96	
		5,543,947		Mase et al.	08/06/96	
		5,583,067		Sanchez	12/10/96	
		5,581,092		Takemura	12/03/96	
		5,585,295		Wu	12/17/96	
		5,594,569		Konuma et al.	01/14/97	
		5,637,519		Tsai et al.	06/10/97	
		5,686,328		Zhang et al.	11/11/97	
		5,767,930		Kobayashi et al.	06/16/98	
		5,757,444		Takemura	05/26/98	
		5,841,170		Adan et al.	11/24/98	
		5,851,861		Suzawa et al.	12/22/98	
		5,852,488		Takemura	12/22/98	
		5,858,867		Hsai et al.	01/12/99	
		5,903,249		Koyama et al.	05/11/99	
		5,923,961		Shibuya et al.	07/13/99	
		6,153,445		Yamazaki et al.	11/28/00	
		6,166,397		Yamazaki et al.	12/26/00	
		6,166,414		Miyazaki et al.	12/26/00	
		6,198,133		Yamazaki et al.	03/06/01	
		6,211,536		Zhang	04/03/01	
		6,259,138		Ohtani et al.	07/10/01	
		6,274,400		Jen	08/14/01	
		6,274,887		Yamazaki et al.	08/14/01	
		6,277,679		Ohtani	08/21/01	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/832,867		
		Filing Date	April 12, 2001		
		First Named Inventor	Shunpei YAMAZAKI, et al.		
		Group Art Unit	2822		
		Examiner Name	Monica Lewis		
Sheet	2	of	3	Attorney Docket Number	0756-2294

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
		6,281,552		Kawasaki et al.	08/28/01
		6,284,577		Suzawa et al.	09/04/01
		6,303,963		Ohtani et al.	10/16/01
		6,306,694		Yamazaki et al.	10/23/01
		6,337,731		Takemura	01/08/02
		6,346,730		Kitakado et al.	02/12/02
		6,358,766		Kasahara	03/19/02
		6,362,507		Ogawa et al.	03/26/02
		6,365,917		Yamazaki	04/02/02
		6,384,808		Azami	05/07/02
		6,392,628		Yamazaki et al.	05/21/02
		6,399,988		Yamazaki	06/04/02
		6,407,430		Ohtani et al.	06/18/02
		6,420,200		Yamazaki et al.	07/16/02
		6,469,317		Yamazaki et al.	10/22/02

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³
		US Patent Application Serial No. 10/386,257 including specification, drawings, claims, and filing receipt; filed March 11, 2003; Inventor: Hideto Ohnuma.	
		US Patent Application Serial No. 09/454,146 including specification, drawings, claims, and filing receipt; filed December 3, 1999; Inventors: Shunpei YAMAZAKI, et al.	
		Yoshida et al., "A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time," SID 97 DIGEST, pp. 841-844.	ENG
		Hwang et al., "High Performance Submicron SOI/CMOS with an Elevated Source/Drain Structure," PROCEEDINGS OF THE ANNUAL SOS/SOI TECHNOLOGY CONFERENCE, IEEE, Vol. 19, 1993, pp. 132-133.	ENG
		Choi et al., "Gate-Overlapped Lightly Doped Drain Poly-Si Thin-Film Transistors for Large Area-AMLCD," IEEE TRANSACTIONS ON ELECTRON DEVICES, Vol. 45, No. 6, June, 1998, pp. 1272-1279.	ENG

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → (+)

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/832,867
				Filing Date	April 12, 2001
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Group Art Unit	2822
				Examiner Name	Monica Lewis
Sheet	3	of	3	Attorney Docket Number	0756-2294

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		JP	04-369271		Takeda et al.	12/22/92		FULL
		JP	05-102483		Ueda	04/23/93		FULL
		JP	06-037314		Tsuchimoto	02/10/94		AB
		JP	07-202210		Taniguchi	08/04/95		AB
		JP	08-078329		Otani	03/22/96		AB
		JP	08-051207		Sato	02/20/96		AB
		JP	08-110530		Koyama et al.	04/30/96		AB
		JP	10-135469		Yamazaki et al.	05/22/98		AB
		JP	10-144929		Shibuya et al.	05/29/98		AB
		EP	0 451 968		Coxon	10/16/91		ENG
		JP	10-247735		Takano et al.	09/14/98		AB
		EP	0 803 911		Adan et al.	10/29/97		ENG
		JP	10-135468		Yamazaki et al.	05/22/98		AB

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Tanaka, et al., "Ultrafast Operation of V _{th} -Adjusted p ⁺ -n ⁺ Double-Gate SOI MOSFET'S," IEEE Electron Device Letters, Vol. 15 (Oct., 1994), No. 10, pp. 386-388.	ENG
		Inui et al., "Thresholdless Antiferroelectricity in Liquid Crystals and its Application to Displays," J. Mater Chem., 1996, 6(4), pp. 671-673.	ENG
		Takada, et al., PROCEEDINGS OF 46 TH SPRING MEETINGS OF THE SOCIETY FOR APPLIED PHYSICS OF JAPAN, 28P-V-8, page 1316.	NONE
		Hwang et al., "Novel Polysilicon/TiN Stacked-Gate Structure for Fully-Depleted SOI/CMOS," IEDM '92, pp. 345-348.	ENG
		Yoshihara, EKISHO, Vol. 3, No. 3, pp. 190-194.	NONE
		Furue et al., "P-78: Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCD Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability," SID '98 DIGEST, pp. 782-785.	ENG
		Hatano et al., "A Novel Self-Aligned Gate-Overlapped LDD Poly-Si TFT with High Reliability and Performance," IEDM '97, pp. 523-526.	ENG

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.